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Reviewed
19 Sep 83

9 September 1983

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MEMORANDUM FOR:

VIA:

VIA: Edward J. Maloney

STAT FROM:

SUBJECT: CAMS2 Processing Segment Accomplishments
During Fiscal Year 1983

        Background: The development of the CAMS2 (P/S) system
was awarded in July of 1981. The contract is for a
multi-phase delivery of the system with the Phase I IOC in
May 1984. Since the development of this phase spans FY-1982,
FY-1983 and FY-1984 the project was developed in three
increments. The FY-1982 portion was the development of the
requirements, FY1983 is the software development and FY-1984
will be primarily the testing portion. These efforts do not
align perfectly on the fiscal year and there is some
overlap. The majority of the accomplishments listed for
CAMS2 (P/S) will focus on the development phase of the
system

        1.   CAMS2(P/S) progressed from the requirements
analysis and preliminary design activities of FY-1982 into
detailed design and system development during FY-1983.
Incremental detailed system design reviews were held in
January and February. Following the approval of each design
increment, software development - programming, and
unit-level testing - was begun. The scheduled completion
date for these software development activities is November
1984.

        2.   A supporting effort to develop software and
detailed procedures which provide an operational transfer
and loading of CAMS1 data into CAMS2(P/S) have been
completed. Further, the detailed plan, schedule, and
procedures by which CAMS2(P/S) will achieve initial
operating capability (IOC) and replace CAMS1 are in place.
Negotiations with Intelligence Community organizations are
underway to finalize the exchange of test data prior to P/S
IOC, and to prepare for formal demonstration of system
readiness.

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3. A detailed training plan was delivered during FY-1983, and the execution of that plan is underway. Course outlines, contents, and student and instructor materials are completed in draft and currently being coordinated with COMIREX staff. The first dry runs of these courses will begin at the start of FY-1984.

4. The first of two P/S production IBM 3081 computer systems was installed and made available for software testing. The second will be installed during FY-1984. All existing CAMS1 computer terminals were upgraded in place to the newer Delta Data 7260 required for the P/S. The development IBM 3033 computer system was substantially upgraded, providing more than twice the original computing power available during FY-1982. All major government-furnished software items have been delivered.

5. During the development of CAMS2(P/S) the current system, CAMS1, remained stable and reliable with an average availability of more than 98 percent. Two major software releases occurred during FY-1983 to install new software and to correct software and data errors in response to COMIREX requests.

6. The summary status is that CAMS1 remains stable and reliable which development efforts for CAMS2(P/S) are proceeding toward an IOC in May 1984. There are no known problems which are significant enough to place the continued viability of CAMS1 or the successful IOC of CAMS2(P/S) in jeopardy.

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MEMORANDUM FOR:

FROM:

SUBJECT: FY83 Accomplishments

1. The following is the list of Applications' most significant accomplishments of FY83:

*   SAFE - In February 1983, the System Design Review (SDR) confirmed that the SAFE redirection was feasible and on schedule and that previously programmed resources would continue to be sufficient. Five incremental deliveries were planned with others to be identified later.

*   SAFE - In March 1983 the CIA SAFE Early Capability was brought on-line in the Northside Computer Center. This brought together several separate applications that were previously in use. These, combined with Automatic Information Management (AIM) greatly improved service to the analyst and extended this capability to a larger number of users.

*   SAFE - In June 1983 the SAFE Early Capability was extended to the DIA users from the Northside Computer Center.

*   INFORMATION CENTER - the Information Center was created to provide a cadre of computer specialists to provide Agency personnel assistance in the use of computer software tools when developing their own small computer databases and/or systems. Four WANG and four general specialists are available for consultation and im-plementation of small systems. Assisting the user to develop their own small systems will ensure quick turn-around for requests which would otherwise have waited several years for Applications' resources to become available.

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* DESIST - The DEcision Support Information System for
  Terrorism's detailed system requirements and pre-
  liminary system design specifications were completed
  and the development contract awarded to Booz-Allen
  & Hamilton. Approximately 4 work-years have been
  expended on this project this year.

* LIMS - The Logistics Information Management System's
  detailed system requirements were completed and the
  development contract awarded to Booz-Allen & Hamilton.
  The Quality Assurance contract was awarded to CTEC.
  Approximately 13 work-years have been expended on
  this project this fiscal year.

* ACIS - The high level design for the Automated Com-
  pensation and Information System was completed. The
  ACIS life cycle was refined to provide earlier relief
  to the Office of Finance and to effect a smoother
  transition to the full operating capability. Approxi-
  mately 18.6 work-years have been expended on this
  project this year.

* ACL - The Applications Central Library was established
  to control hardcopy and softcopy project documentation
  and software. The configuration control of both docu-
  mentation and software is essential to successful
  system development and support. Three work-years
  have been expended on this effort.

* TRAINING STAFF - The Training Staff initiated an
  accelerated, in-depth training curriculum for
  ADP professionals. Approximately 6 work-years
  were expended on this effort. *AD*

* GAS - Enhancements to the General Accounting Systems
  were completed which allow for the addition of
  commitments to the Agency Financial Systems, including
  the on-line capability for Agency budget and fiscal
  officers to input commitments and obligations. Six
  work-years were expended on this effort.

* PAYROLL - Modifications to the Agency Biweekly Payroll
  System were completed which provided for the Medicare
  tax deduction. This was a Legislative requirement with
  a very short deadline. It required approximately 2
  work-years of effort which had to be accomplished in
  a three month period.

Ann Armstrong

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PROCESSING/ODP

FY 83 ACCOMPLISHMENTS

1. ODP computer services for batch, GIMS, and VM were upgraded in the Ruffing Center with the installation of two new IBM 3081-K processors and the upgrade of two 3081-D processors to 3081-K. This action also enabled an IBM 3033MP processor to be returned to IBM because of economical, technical, and space disadvantages to the Agency. And also freed a computer system (Amdahl 470/V8) to be relocated to the Special Center. The installation of the 470/V8 in the Special Center provided the processor (IBM 370/158) for the 4C project.

470/V8

2. All aspects related to the design and implementation of computer centers were completed in support of the SAFE project (Northside Centers), the 4C project (4C Center) and the CAMS2 project (back half 1D16). Additionally, access was provided between floors in the _____ Center.

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3. Installation of a computer system (3083-B) in the _____ Center was completed to free an IBM 3033 processor for installation at the CAMS2 Development site.

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4. Although the WANG contract with the Agency was established towards the end of FY 82, it was not until FY 83 that WANG systems were installed in heavy numbers throughout the Agency.

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This high volume installation activity has required significant support from ODP. The Word Processing Branch in the Engineering Division provides most of the support; however, the Teleprocessing Branch, the Maintenance Management Branch, Customer Services Staff, and the Data Conversion Branch in the Production Division have all contributed to the support of these systems. In addition, the Systems Programming Division spent considerable effort during FY 83 developing WANG/VM interface capabilities. The Word Processing Branch has been responsible for the procurement,

installation, and maintenance of these WANG Systems and has provided Agency components with systems analysis support, cable installation and site survey support, maintenance management support, and contract support for the WANG equipment. The unexpected selection of the WANG Alliance System in such large numbers by Agency components has increased the workload for WPB since the Alliance System generally involves greater systems analysis support and more complex cabling installations. The procurement and installation of such large numbers of these WANG Systems during the initial full year of this contract is one of ODP's accomplishments during FY 83.

5. We have completed the installation of the SAFE C, SAFE D, and SAFE Development system teleprocessing hardware, and over 200 SAFE C terminals. We completed the delivery of over 70 terminals to the DIA for SAFE D support. We completed delivery and installation of over 20 terminals in contractor sites in support of the SAFE development system.

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7. We expanded the support provided by the Trouble Desk adding one full-time person to this function. This was necessary because of Early Capability SAFE along with accepting troubles calls and tracking all WANG problems. These two areas, along with the normal growth of terminals in the Agency, have doubled the number of trouble calls over the past year.

8. In support of the 4C project, a new GIM system was brought on-line. This system is on a stand-alone computer and supports the entire Intelligence Community. Production Division used 3 man months to bring the system up. In order to maintain the system and process production work, a continuing effort of one person is required.